

FIG. 1A

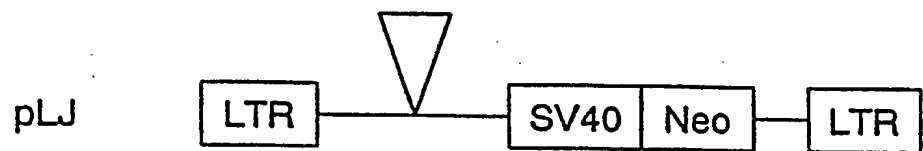


FIG. 1B

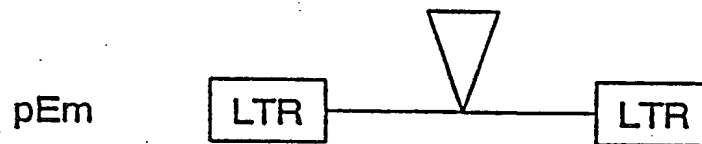


FIG. 1C

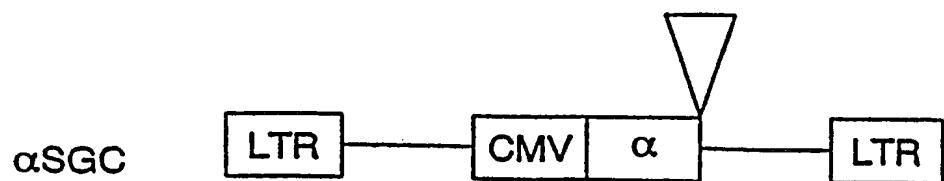


FIG. 1D

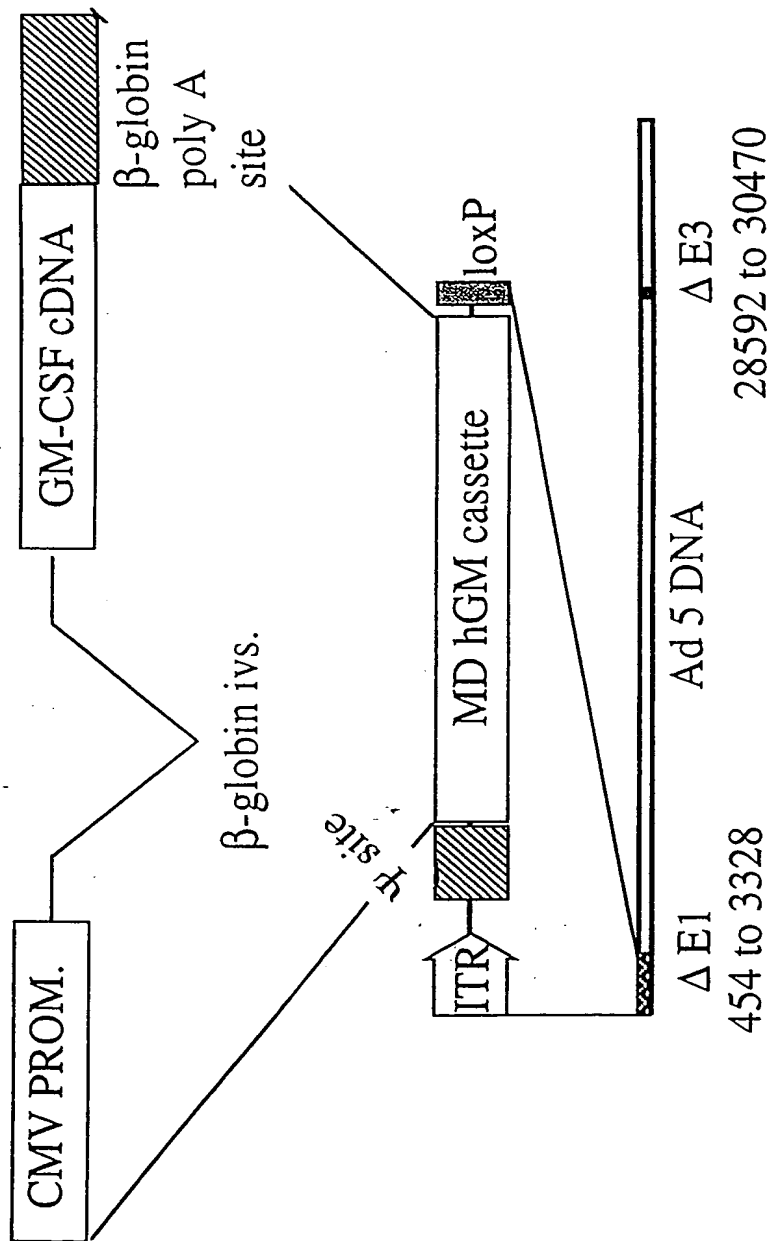


FIG. 1E

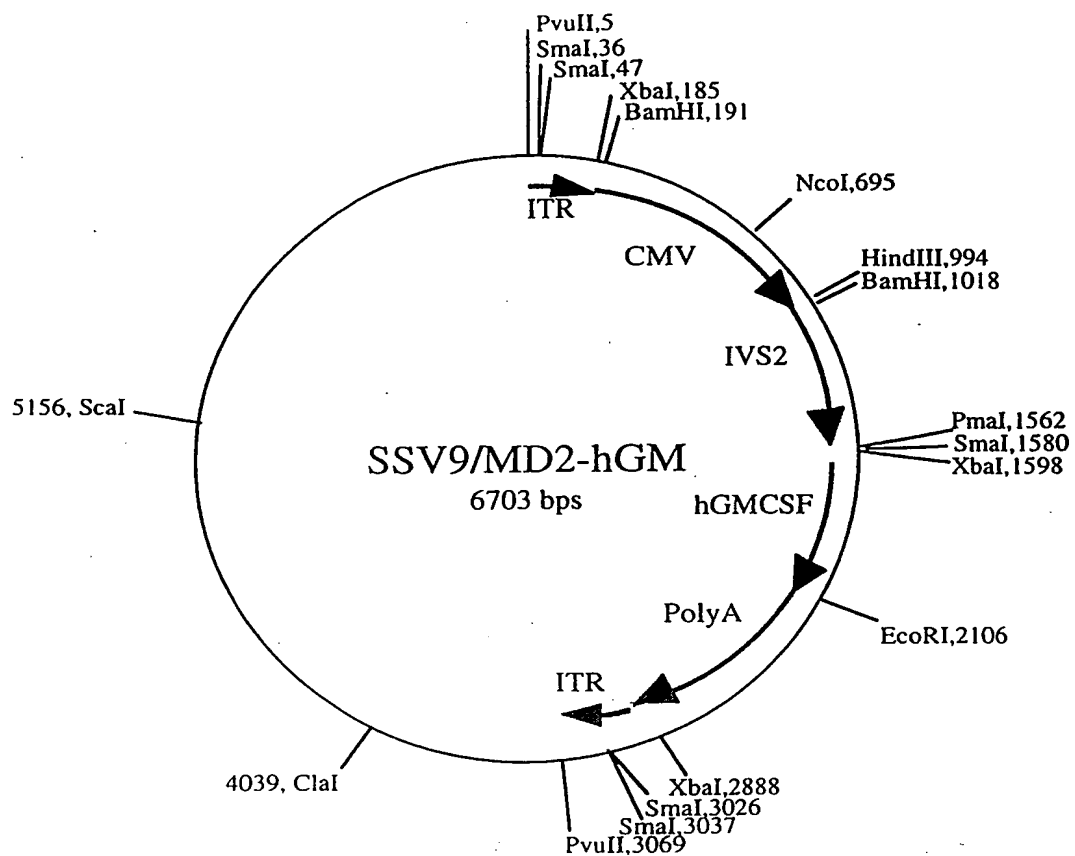


FIG. 1F

00540894.070500

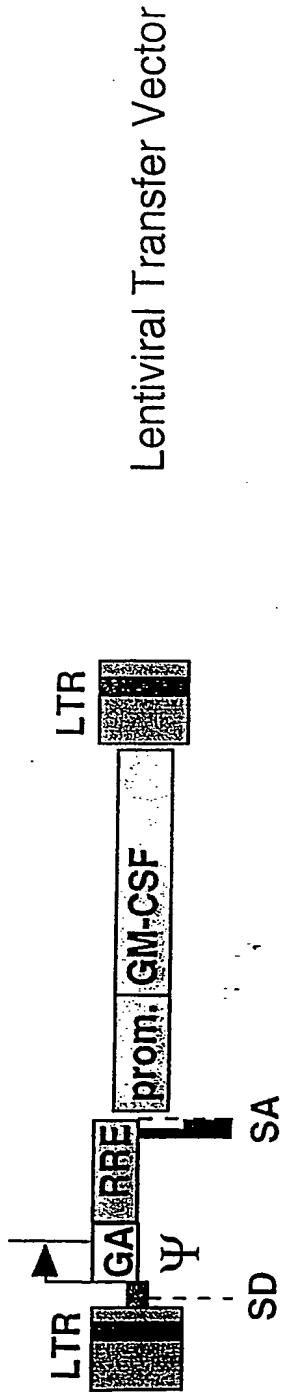


FIG. 1G

HERPES SIMPLEX VIRUS VECTOR

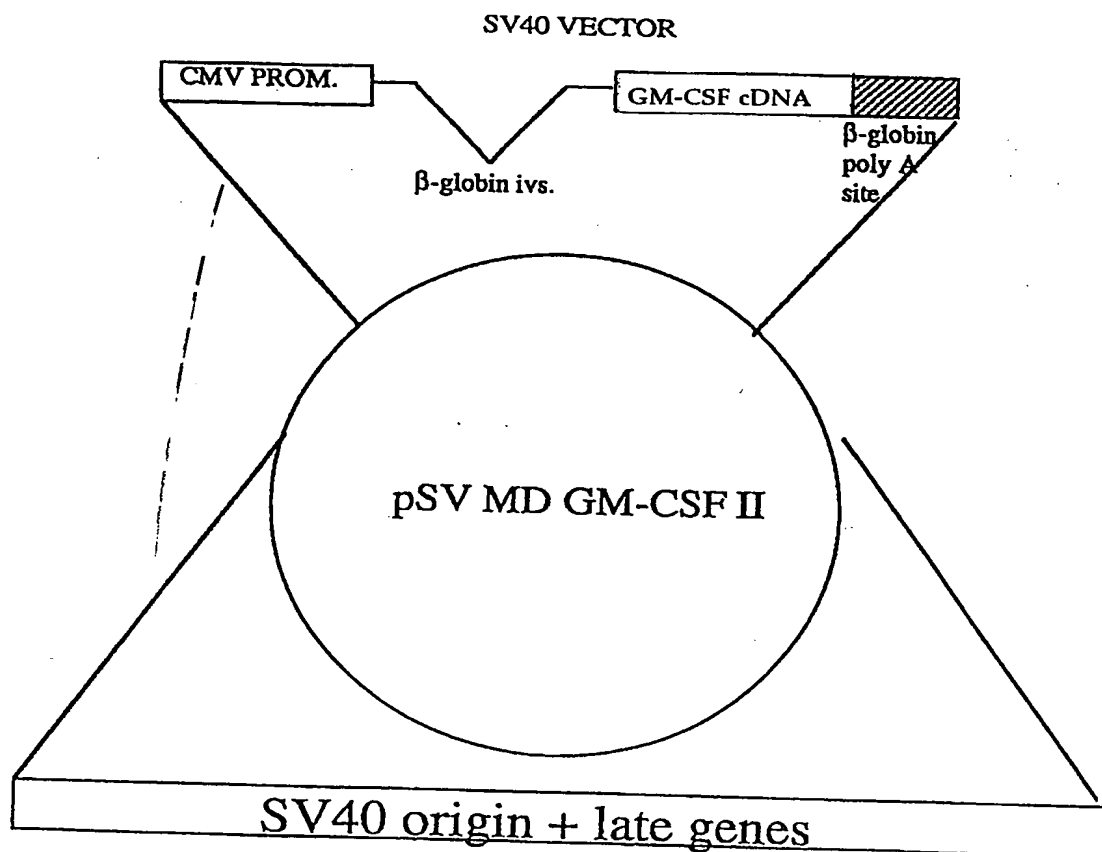


FIG. 1I

005020-16801960

VACCINIA VIRUS VECTOR

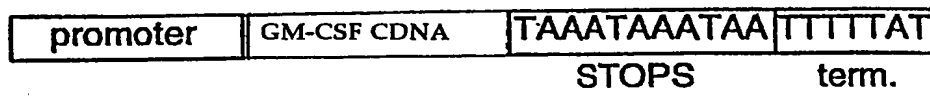


FIG. 1J

009020 16807560

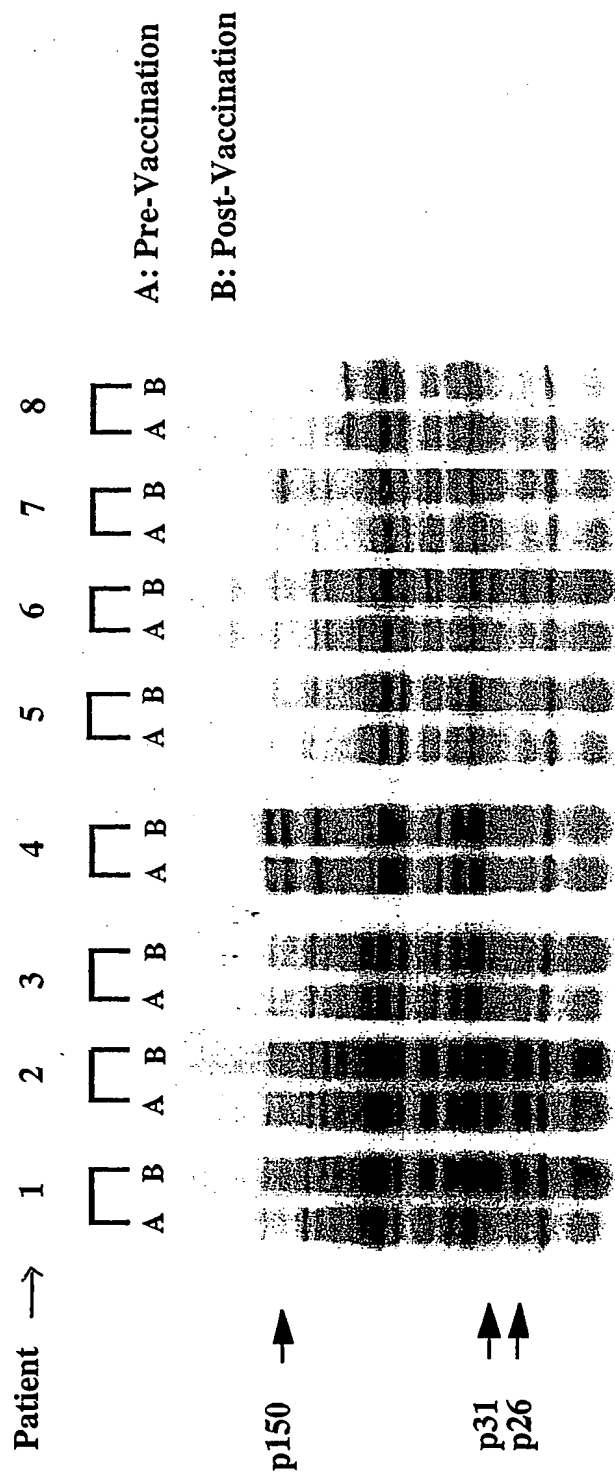


FIG. 2

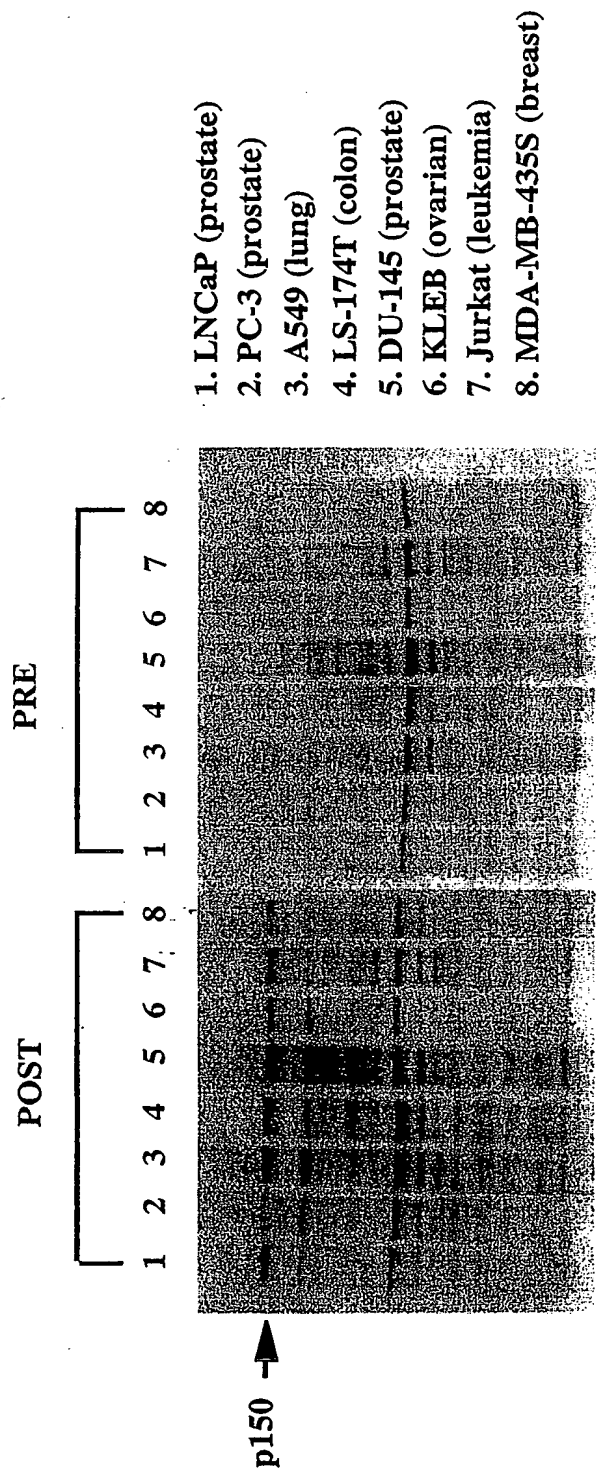


FIG. 3

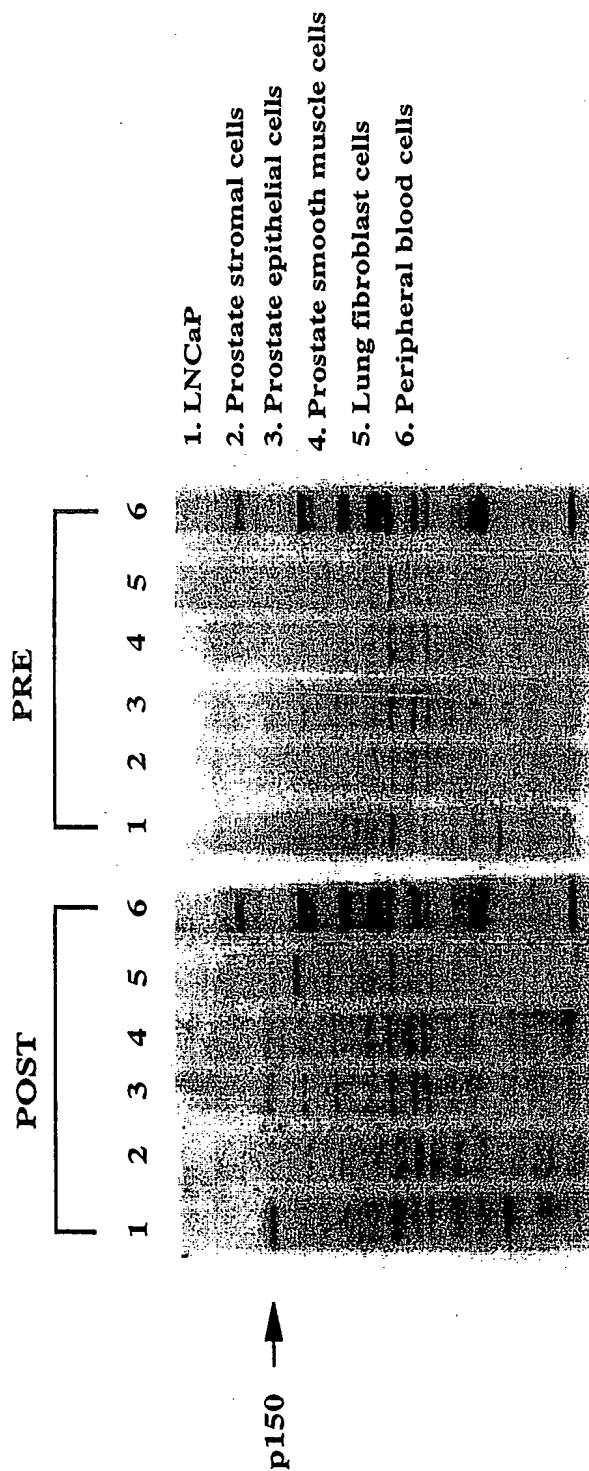
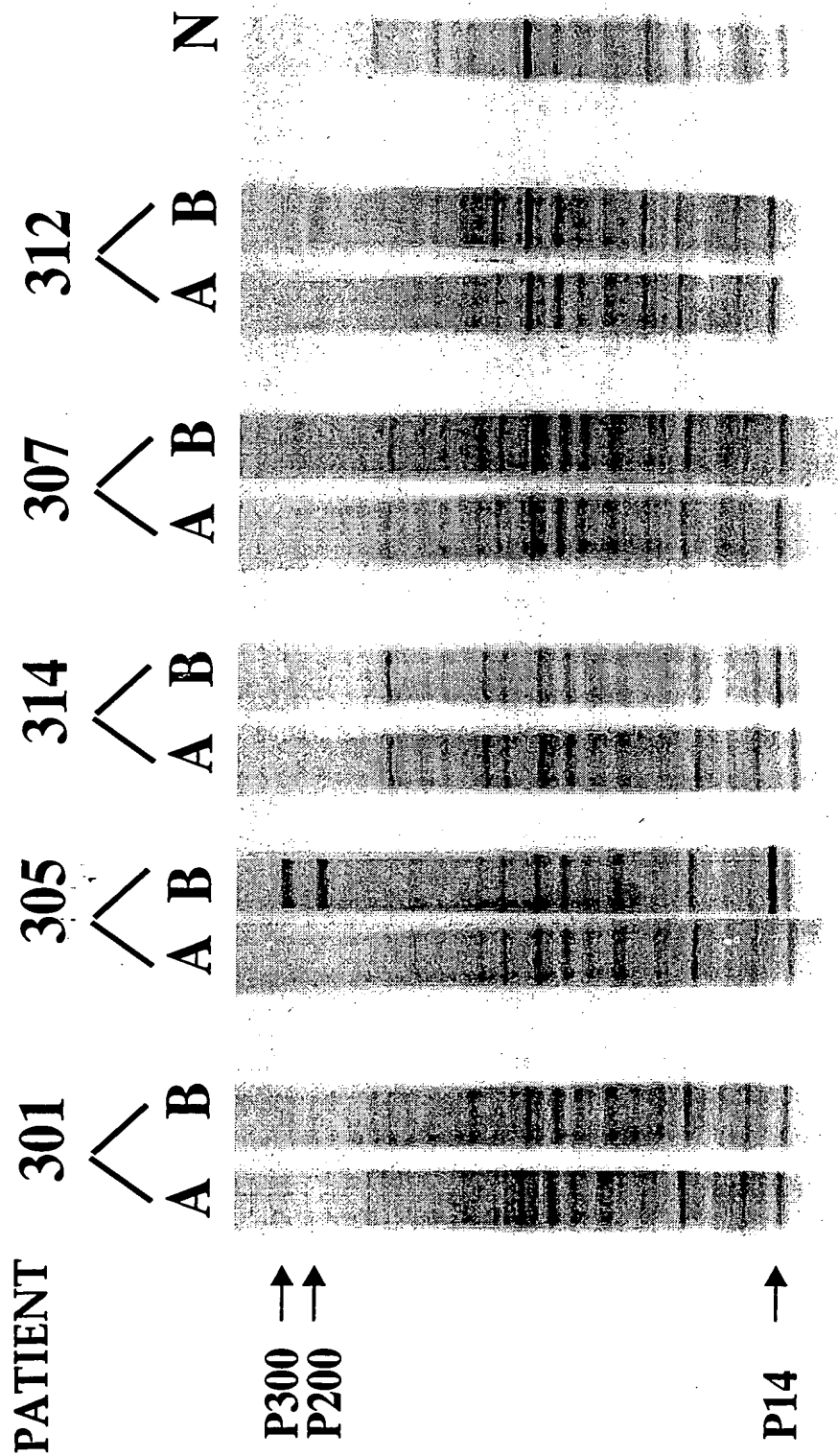


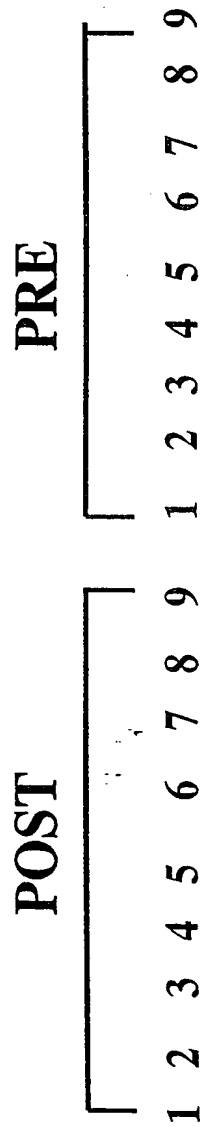
FIG. 4

Three novel antigens identified on PC-3



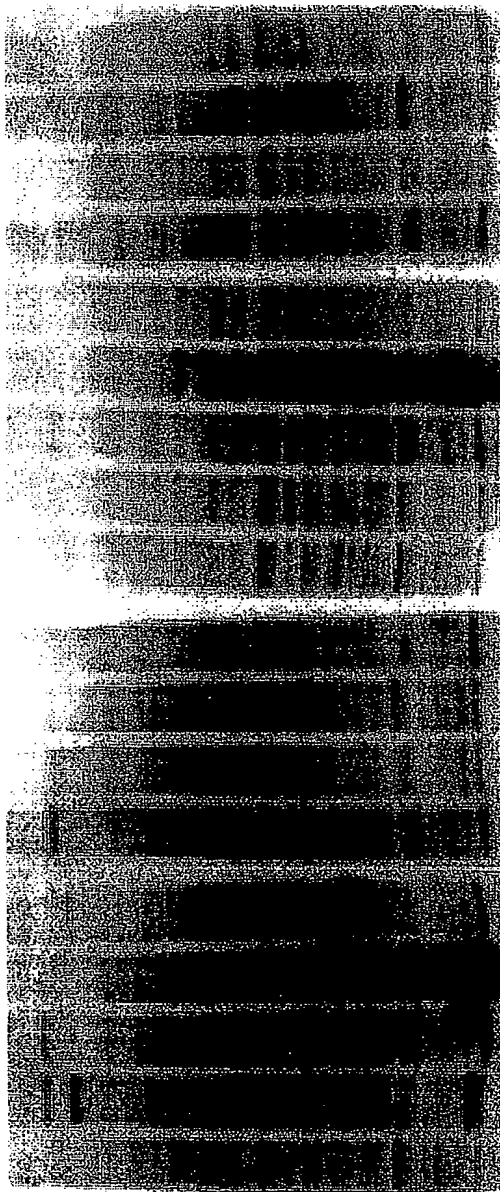
1. Pre-vaccination
2. Post-vaccination
N: Normal serum

Expression of novel antigens on Carcinoma cells



P250 →
P160 →

P14 →



1. LNCaP (prostate)
2. PC-3 (prostate)
3. A549 (lung)
4. LS-174T (colon)
5. MCF7 (breast)
6. DU-145 (prostate)
7. KLEB (ovarian)
8. Jurkat (leukemia)
9. MD-435S (breast)

FIG. 6

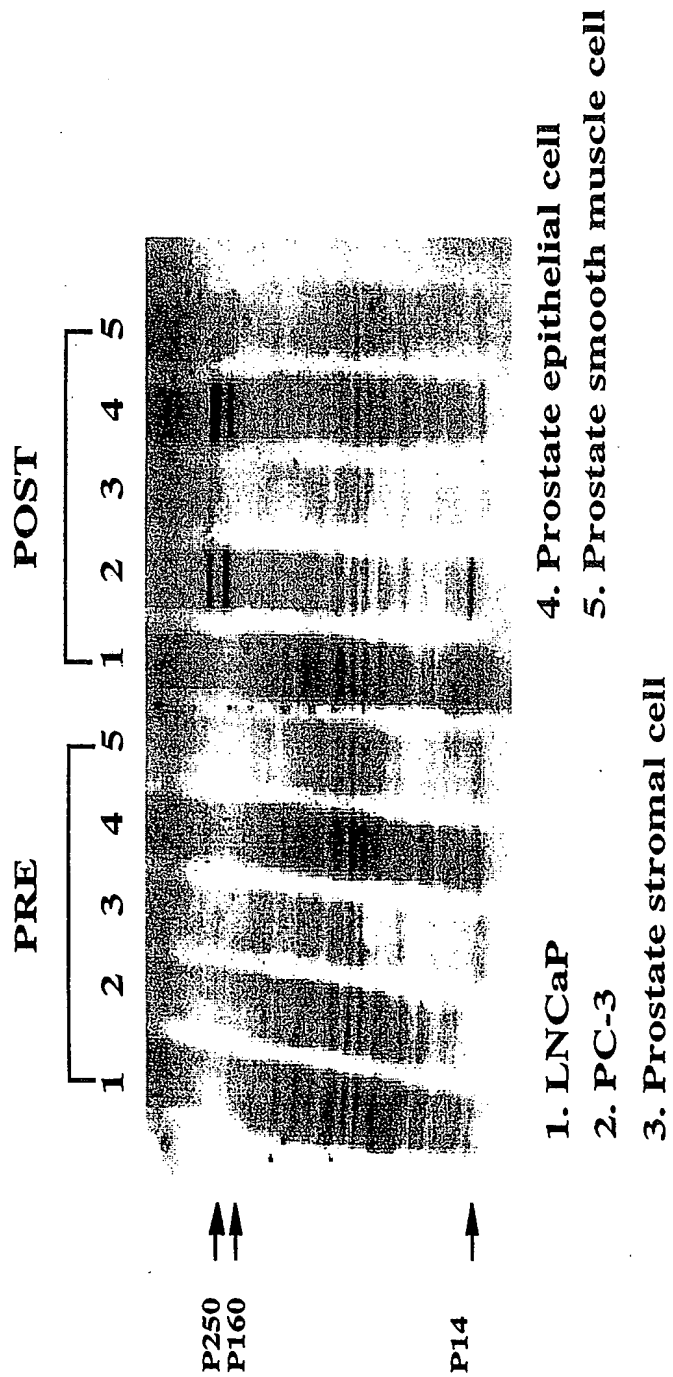


FIG. 7

A Retroviral Vector Expressing Cancer Antigen(s)

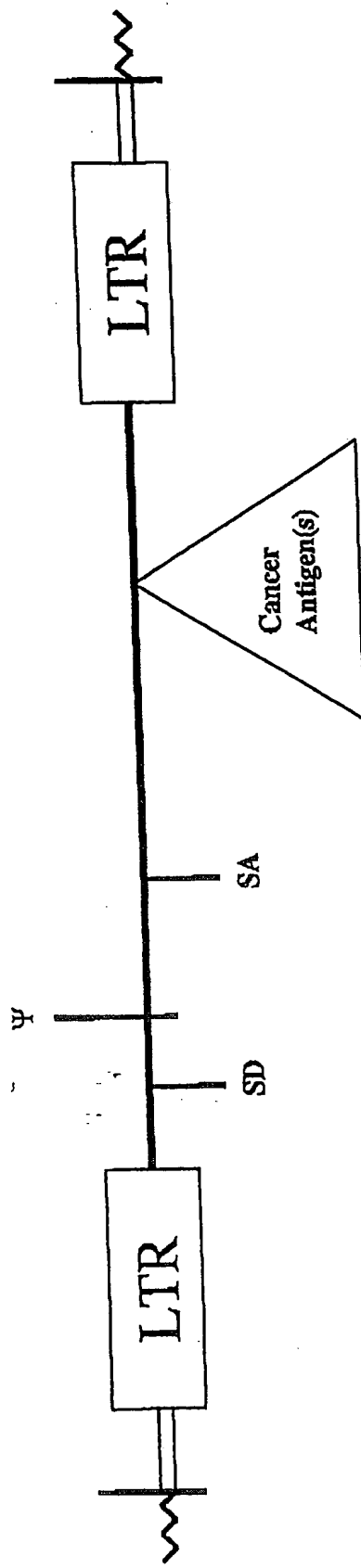


FIG. 8A

Adenoviral Vector Expressing Cancer Antigen(s)

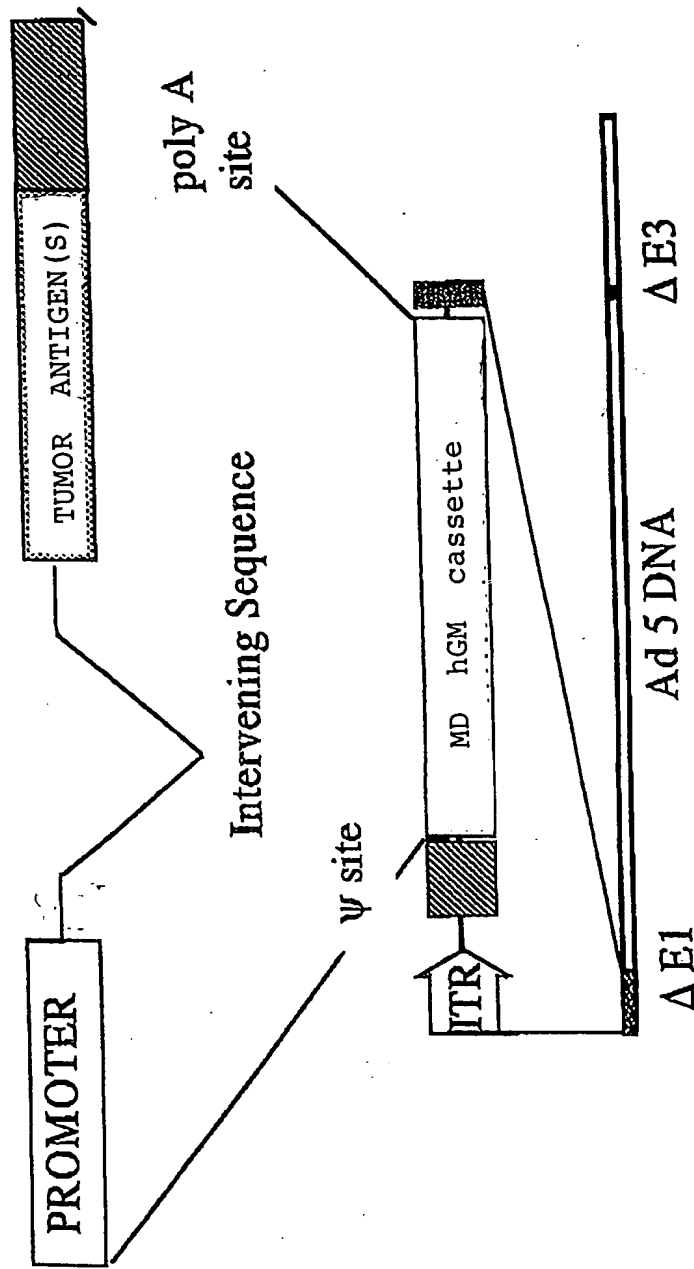


FIG. 8B